Author Index

Adebodun, F., see Skawinski, W.J. (1162) 297
Ahlström, P., see Jones, S.T. (1162) 135
Amiconi, G., see Coletta, M. (1162) 309
Anderson, V.E., see Hruz, P.W. (1162) 149
Andrew, C.R., McKillop, K.P. and Sykes, A.G.
Kinetics of the equilibration of O_2 with *Panulirus interruptus* hemocyanin subunits a, b and c (1162) 105
Aniello, F., see Parente, A. (1162) 1
Anschutz, A.L., Um, H.-D., Siegel, N.R., Veron, M. and Klein, C.
P36, a *Dictyostelium discoideum* protein whose phosphorylation is stimulated by GDP, is homologous to the α-subunit of succinyl-CoA synthetase (1162) 40
Ascenzi, P., see Coletta, M. (1162) 309
Augusteyn, R.C., Ghiggino, K.P. and Putilina, T.
Studies on the location of aromatic amino acids in α-crystallin (1162) 61

Barden, J.A., see McFarlane, D.R. (1162) 187
Belaïche, D., see Kouach, M. (1162) 99
Berendsen, H.J.C., see Jones, S.T. (1162) 135
Bertollini, A., see Coletta, M. (1162) 309
Biely, P., Kluepfel, D., Morosoli, R. and Shareck, F.
Mode of action of three endo-β-1,4-xylanases of *Streptomyces lividans* (1162) 246
Bocchini, V., see Masullo, M. (1162) 35
Bond, M.D., Strydom, D.J. and Vallee, B.L.
Characterization and sequencing of rabbit, pig and mouse angiogenins: discernment of functionally important residues and regions (1162) 177
Bonicel, J., see Bruschi, M. (1162) 89
Bonicel, J., see Nunzi, F. (1162) 28
Briand, G., see Kouach, M. (1162) 99
Bruschi, M., Woudstra, M., Campese, D. and Bonicel, J.
Amino-acid sequence of cytochrome *c*-553 from *Desulfovibrio desulfuricans* Norway (1162) 89
Bruschi, M., see Nunzi, F. (1162) 28
Burguillo, F.J., see González, F.J. (1162) 17
Byun, S.M., see Jang, J.S. (1162) 233

Campèse, D., see Nunzi, F. (1162) 28
Campese, D., see Bruschi, M. (1162) 89
Cardemil, E., see Encinas, M.V. (1162) 195
Cheng, J.T., see Skawinski, W.J. (1162) 297
Chevaillier, P., see Kouach, M. (1162) 99
Christensen, U., see Dissing, J. (1162) 275
Chun, M., see Jang, J.S. (1162) 233
Cistola, D.P., see Muga, A. (1162) 291
Coletta, M., Ascenzi, P., Santucci, R., Bertollini, A. and Amiconi, G.
Interaction of inositol hexakisphosphate with liganded ferrous human hemoglobin. Direct evidence for two functionally operative binding sites (1162) 309
Cossu, G., see Ferranti, P. (1162) 203
Craig, III, S.P., see Yuan, L. (1162) 10
Cs.-Szabó, G., Fülöp, C., Hadházy, C., Elődi, P. and Glant, T.T.
Substrate specificity of 'elastomucoproteinase': an enzyme which can degrade cartilage aggrecan (1162) 266
Curatola, G., see Zolese, G. (1162) 47

D'Auria, G., Paolillo, L., Sartorio, R. and Wurzburger, S.
Structure and function of protamines: an ^1H nuclear magnetic resonance investigation of the interaction of clupeines with mononucleotides (1162) 209
De Stasio, G., see Zolese, G. (1162) 47
Dissing, J., Rangaard, B. and Christensen, U.
Activity modulation of the fast and slow isozymes of human cytosolic low-molecular-weight acid phosphatase (ACP1) by purines (1162) 275
Doi, S., Tanigawa, Y., Tsuchiya, M. and Shimoyama, M.
Loss of poly(ADP-ribose) synthetase activity without change in arginine-specific ADP-ribosyltransferase activity by acid-treatment; application of the treatment to simple assay for transferase in the presence of poly(ADP-ribose) synthetase (1162) 115
Dominguez, A., see González, F.J. (1162) 17
Donato, R., see Zolese, G. (1162) 47

Elődi, P., see Cs.-Szabó, G. (1162) 266
Encinas, M.V., Rojas, M.C., Goldie, H. and Cardemil, E.
Comparative steady-state fluorescence studies of cytosolic rat liver (GTP), *Saccharomyces cerevisiae* (ATP) and *Escherichia coli* (ATP) phospho*enol*pyruvate carboxykinases (1162) 195
Ernst-Fonberg, M.L., see Tucker, M.M. (1162) 315

Farnsworth, P.N., see Kuckel, C.L. (1162) 143
Fauste, C., see González, F.J. (1162) 17
Ferranti, P., Parlapiano, A., Malorni, A., Pucci, P., Marino, G., Cossu, G., Manca, L. and Masala, B.
Hemoglobin Ozieri: a new α-chain variant (α71(E20)Ala → Val). Characterization using FAB- and electrospray-mass spectrometric techniques (1162) 203
Forge, V., see Mintz, E. (1162) 227
Fülöp, C., see Cs.-Szabó, G. (1162) 266
Furuno, T., see Sato, A. (1162) 54

Geraci, G., see Parente, A. (1162) 1
Ghiggino, K.P., see Augusteyn, R.C. (1162) 61
Giambanco, I., see Zolese, G. (1162) 47
Glant, T.T., see Cs.-Szabó, G. (1162) 266
Goldie, H., see Encinas, M.V. (1162) 195
González, F.J., Fauste, C., Burguillo, F.J. and Dominguez, A.
Kinetic behaviour of a repressible acid phosphatase from the yeast *Yarrowia lipolytica*: a comparative study between the solubilized enzyme, the enzyme bound to cell-wall fragments and the enzyme bound to intact cells (1162) 17
Grones, J. and Turna, J.
Some properties of restriction endonuclease *Apa*BI from *Acetobacter pasteurianus* (1162) 323
Guillain, F., see Mintz, E. (1162) 227

Hadházy, C., see Cs.-Szabó, G. (1162) 266
Haroun, J., see Ilan, E. (1162) 77
Helfman, D.M., see Novy, R.E. (1162) 255
Hruz, P.W., Anderson, V.E. and Miziorko, H.M.
3-Hydroxy-3-methylglutaryldithio-CoA: utility of an alternative substrate in elucidation of a role for HMG-CoA lyase's cation activator (1162) 149

Ilan, E. and Haroun, J.
Oxygen-binding properties of extracellular hemoglobin from the leech, *Hirudo medicinalis*. Effects of pH, cations and temperature (1162) 77
Imajoh-Ohmi, S., see Kikuchi, H. (1162) 171
Ivanov, Y.D., Izotov, A.A., Rukavishnikov, I.G. and Uvarov, V.Y.
Determination of the secondary structure of epoxide hydrolase by Raman spectroscopy (1162) 217
Izotov, A.A., see Ivanov, Y.D. (1162) 217

Jang, J.S., Park, D.K., Chun, M. and Byun, S.M.
Identification of autoproteolytic cleavage site in the Asp-49 mutant subtilisin J by site-directed mutagenesis (1162) 233
Jaquinod, M., see Kouach, M. (1162) 99
Jones, S.T., Ahlström, P., Berendsen, H.J.C. and Pickersgill, R.W.
Molecular dynamics simulation of a phospholipase A_2-substrate complex (1162) 135
Jordan, F., see Skawinski, W.J. (1162) 297

Kanegasaki, S., see Kikuchi, H. (1162) 171
Kemp, B.E., see McFarlane, D.R. (1162) 187
Kikuchi, H., Imajoh-Ohmi, S. and Kanegasaki, S.
Novel antibodies specific for proteolyzed forms of protein kinase C: production of anti-peptide antibodies available for in situ analysis of intracellular limited proteolysis (1162) 171
Klein, C., see Anschutz, A.L. (1162) 40
Kluepfel, D., see Biely, P. (1162) 246
Konno, T. and Morishima, I.
Transition state of an unfolding step in human cyanomet myoglobin (1162) 93
Kouach, M., Jaquinod, M., Belaïche, D., Sautière, P., Van Dorsselaer, A., Chevaillier, P. and Briand, G.
A corrected primary structure for dog-fish *Scylliorhinus caniculus* protamine Z3 (1162) 99
Kuckel, C.L., Lubit, B.W., Lambooy, P.K. and Farnsworth, P.N.
Methylisocyanate and actin polymerization: the in vitro effects of carbamylation (1162) 143
Kurppa, A., see Vuento, M. (1162) 155

Lambooy, P.K., see Kuckel, C.L. (1162) 143
Leontiev, V.V., Uversky, V.N., Permyakov, E.A. and Murzin, A.G.
Introduction of Ca^{2+}-binding amino-acid sequence into the T4 lysozyme (1162) 84
Lin, C.-S., see Novy, R.E. (1162) 255
Lin, J.J.-C., see Novy, R.E. (1162) 255
Liu, A.F., see Yuan, L. (1162) 10
Liu, L.-F., see Novy, R.E. (1162) 255
Lobo, A.P., see Maley, G.F. (1162) 161
Lubit, B.W., see Kuckel, C.L. (1162) 143

Maeda, H., see Maruyama, S. (1162) 72
Makino, N. and Ohnaka, H.
Role of oligomeric interactions in the cooperativity of crayfish hemocyanin (1162) 237
Maley, F., see Maley, G.F. (1162) 161
Maley, G.F., Lobo, A.P. and Maley, F.
Properties of an affinity-column-purified human deoxycytidylate deaminase (1162) 161
Malorni, A., see Ferranti, P. (1162) 203
Malorni, A., see Parente, A. (1162) 1
Manca, L., see Ferranti, P. (1162) 203
Mantsch, H.H., see Muga, A. (1162) 291
Marino, G., see Ferranti, P. (1162) 203
Maruyama, S., Miyoshi, S., Nomura, G., Suzuki, M., Tanaka, H. and Maeda, H.
Specificity for various imino-acid-residues of a proline-specific dipeptidylcarboxypeptidase from a *Streptomyces* species (1162) 72
Masala, B., see Ferranti, P. (1162) 203
Masullo, M., Raimo, G. and Bocchini, V.
Resistance of archaebacterial aEF-1α · GDP against denaturation by heat and urea (1162) 35
Mathur, M., Sharma, N. and Sachar, R.C.
Differential regulation of *S*-adenosylmethionine synthetase isozymes by gibberellic acid in dwarf pea epicotyls (1162) 283
McFarlane, D.R., McFarlane, E.F., Barden, J.A. and Kemp, B.E.
FTIR spectroscopy study of PTHrP(1–34) involved in humoral hypercalcaemia of malignancy (1162) 187
McFarlane, E.F., see McFarlane, D.R. (1162) 187
McKillop, K.P., see Andrew, C.R. (1162) 105
Mendelsohn, R., see Skawinski, W.J. (1162) 297
Mintz, E., Forge, V. and Guillain, F.
Dimethyl sulfoxide favours the covalent phosphorylation and not the binding of P_i to sarcoplasmic reticulum ATPase (1162) 227
Miyoshi, S., see Maruyama, S. (1162) 72
Miziorko, H.M., see Hruz, P.W. (1162) 149
Modi, S.
Interaction of EDTA with horseradish peroxidase: ^{1}H-NMR study (1162) 121
Montecucchi, P., see Parente, A. (1162) 1
Morin, D., see Nunzi, F. (1162) 28
Morishima, I., see Konno, T. (1162) 93
Morosoli, R., see Biely, P. (1162) 246
Muga, A., Cistola, D.P. and Mantsch, H.H.
A comparative study of the conformational properties of *Escherichia coli*-derived rat intestinal and liver fatty acid binding proteins (1162) 291
Murzin, A.G., see Leontiev, V.V. (1162) 84

Nielsen, K.L. and Sottrup-Jensen, L.
Evidence from sequence analysis that hen egg-white ovomacroglobulin (ovostatin) is devoid of an internal β-Cys-γ-Glu thiol ester (1162) 230
Nomura, G., see Maruyama, S. (1162) 72
Novy, R.E., Liu, L.-F., Lin, C.-S., Helfman, D.M. and Lin, J.J.-C.
Expression of smooth muscle and nonmuscle tropomyosins in *Escherichia coli* and characterization of bacterially produced tropomyosins (1162) 255
Nunzi, F., Woudstra, M., Campèse, D., Bonicel, J., Morin, D. and Bruschi, M.
Amino-acid sequence of rusticyanin from *Thiobacillus ferrooxidans* and its comparison with other blue copper proteins (1162) 28
Nygren, H., see Werthén, M. (1162) 326

Ohnaka, H., see Makino, N. (1162) 237
Ohshima, T. and Soda, K.
Valine dehydrogenase from a non-spore-forming bacterium, *Alcaligenes faecalis:* purification and characterization (1162) 221

Paananen, K., see Vuento, M. (1162) 155
Paolillo, L., see D'Auria, G. (1162) 209
Parente, A., Verde, C., Malorni, A., Montecucchi, P., Aniello, F. and Geraci, G.
Amino-acid sequence of the cooperative dimeric myoglobin from the radular muscles of the marine gastropod *Nassa mutabilis* (1162) 1
Park, D.K., see Jang, J.S. (1162) 233
Parlapiano, A., see Ferranti, P. (1162) 203
Permyakov, E.A., see Leontiev, V.V. (1162) 84
Pickersgill, R.W., see Jones, S.T. (1162) 135
Pucci, P., see Ferranti, P. (1162) 203
Putilina, T., see Augusteyn, R.C. (1162) 61

Raimo, G., see Masullo, M. (1162) 35
Rangaard, B., see Dissing, J. (1162) 275

Rettie, A.E., see Sadeque, A.J.M. (1162) 127
Rojas, M.C., see Encinas, M.V. (1162) 195
Rukavishnikov, I.G., see Ivanov, Y.D. (1162) 217

Sachar, R.C., see Mathur, M. (1162) 283
Sadeque, A.J.M., Thummel, K.E. and Rettie, A.E.
Purification of macacque liver flavin-containing monooxygenase: A form of the enzyme related immunochemically to an isozyme expressed selectively in adult human liver (1162) 127
Santucci, R., see Coletta, M. (1162) 309
Sartorio, R., see D'Auria, G. (1162) 209
Sasabe, H., see Sato, A. (1162) 54
Sato, A., Furuno, T., Toyoshima, C. and Sasabe, H.
Two-dimensional crystallization of catalase on a monolayer film of poly(1-benzyl-L-histidine) spread at the air/water interface (1162) 54
Sautière, P., see Kouach, M. (1162) 99
Shareck, F., see Biely, P. (1162) 246
Sharma, N., see Mathur, M. (1162) 283
Shimoyama, M., see Doi, S. (1162) 115
Siegel, N.R., see Anschutz, A.L. (1162) 40
Skawinski, W.J., Adebodun, F., Cheng, J.T., Jordan, F. and Mendelsohn, R.
Labeling of tyrosines in proteins with [^{15}N]tetranitromethane, a new NMR reporter for nitrotyrosines (1162) 297
Soda, K., see Ohshima, T. (1162) 221
Sottrup-Jensen, L., see Nielsen, K.L. (1162) 230
Strydom, D.J., see Bond, M.D. (1162) 177
Suzuki, M., see Maruyama, S. (1162) 72
Sykes, A.G., see Andrew, C.R. (1162) 105

Tanaka, H., see Maruyama, S. (1162) 72
Tanigawa, Y., see Doi, S. (1162) 115
Thummel, K.E., see Sadeque, A.J.M. (1162) 127
Toyoshima, C., see Sato, A. (1162) 54
Tsuchiya, M., see Doi, S. (1162) 115
Tucker, M.M., Worsham, L.M.S. and Ernst-Fonberg, M.L.
Nucleotide cofactor-binding-domain-specific antibodies show immunologic relatedness among unrelated proteins that bind phosphoryl compounds (1162) 315
Turna, J., see Grones, J. (1162) 323

Um, H.-D., see Anschutz, A.L. (1162) 40
Uvarov, V.Y., see Ivanov, Y.D. (1162) 217
Uversky, V.N., see Leontiev, V.V. (1162) 84

Vallee, B.L., see Bond, M.D. (1162) 177
Van Dorsselaer, A., see Kouach, M. (1162) 99
Verde, C., see Parente, A. (1162) 1
Veron, M., see Anschutz, A.L. (1162) 40
Vihinen-Ranta, M., see Vuento, M. (1162) 155
Vuento, M., Paananen, K., Vihinen-Ranta, M. and Kurppa, A.
Characterization of antigenic epitopes of potato virus Y (1162) 155

Wang, C.C., see Yuan, L. (1162) 10
Werthén, M. and Nygren, H.
Cooperativity in the antibody binding to surface-adsorbed antigen (1162) 326
Worsham, L.M.S., see Tucker, M.M. (1162) 315
Woudstra, M., see Bruschi, M. (1162) 89
Woudstra, M., see Nunzi, F. (1162) 28
Wu, C.-S.C., see Yuan, L. (1162) 10
Wurzburger, S., see D'Auria, G. (1162) 209

Yuan, L., Wu, C.-S.C., Craig, III, S.P., Liu, A.F. and Wang, C.C.
Comparing the human and schistosomal hypoxanthine-guanine phosphoribosyltransferases by circular dichroism (1162) 10

Zolese, G., Giambanco, I., Curatola, G., De Stasio, G. and Donato, R.
Time-resolved fluorescence of S-100a protein in the absence and presence of calcium and phospholipids (1162) 47